

MAGO THERMAL'S INDIGENOUS SOLUTION TO Paddy STRAW “पराली” FIRING

WHY PADDY STRAW “पराली”

- 01** “पराली” agriculture waste is “NOT” a waste until wasted under ignorance.
- 02** Additional income for rural Folks and abundant employment opportunity for the rural youth in fuel management thus offering circular economy.
- 03** Ensuring Green and Clean Environment, thus offering a “WIN WIN Situation” to all the stake holders.
- 04** Currently “पराली” is available in abundance and almost at half the cost of other biomass fuel.

Challenges - Paddy Straw “पराली” fired Steam Boilers

01

Heavy Ash deposition on Pressure Parts, particularly in Superheater and Economiser.

02

High Corrosion and Erosion of Pressurepart and Auxiliaries.

03

Presence of large quantity of Soil as well as moisture in “पराली” consequently leading to frequent trouble in Fuel Feeding system and Combustor as well.

04

Complex Fuel feeding & Ash handling system – difficult to maintain and also having multiple reported incidents of failure's.

05

Overseas Boilers being offered have yet to adapt to prevailing conditions of Indian subcontinent, also their material selection, makes steam generator prohibitively EXPENSIVE, resulting in ROI advantages being LOST.

06

It has also been observed that for the other technologies being practiced, the Steam Boiler undergoes mandatory SHUT DOWN down with in 10 - 20 days of Steam Boiler Operation Start (Restart requires almost 48 to 72 hrs).

07

Certain Boiler design being practiced in Indian context are solely on “पराली” and NOT suitable for Rice Husk / Biomass/ Other fuel under emergency situation / Price fluctuations.

Efficient, Sustainable and Effective Solution as offered by Team MAGO THERMAL

- FOAK “First of A kind” Indigenous design developed in association with Boiler Experts and Combustion Technology Professionals having institutional and industrial exposure of more than 4 decades.
- Boiler designed for Power and Process Steam demand considering the locally available fuel and to address resultant issues as addressed above.
- Customised Steam Boiler and its auxiliaries design suitable for variation in fuel properties throughout the year particularly in Indian context.
- Steam boiler Design as offered by Team Mago Thermal ensures longer Pressure-Part life.
- Coating of special materials at backend equipment for extended life.
- Specially designed Air Pollution Control Equipment to take care of Sticky Ash behavior and also to ensure compliance with prevailing Pollution norms.
- Improved design and metallurgy of the Reciprocating Grate offers Efficient Combustion along with added advantage of being Multifuel fuel fired Combustor.
- Most appropriate material selection keeping in mind Corrosive and Abrasive nature of Fuel / ASH – and also Gas velocities are maintained at optimum levels.
- Easy to operate Fuel feeding & Ash handling system which can be handled by existing manpower- No EXPERTS required.
- No complex part thus easy maintenance and affordable cost.

SAVE 50% on your existing steam boiler cost with Rice Straw.

Get a "No Obligation" Technical Evaluation Report By Our Expert Team

MAGO THERMAL PVT LTD

901-905, Westend Mall,
District Centre,
Janakpuri, New Delhi
www.magothermal.com

+91 98715 58267
+91 96438 18267
r.singla@magothermal.com
marketing@magothermal.com

